



SAN BERNARDINO MICROWAVE SOCIETY, Incorporated

FOUNDED IN 1966

A NON-PROFIT AMATEUR TECHNICAL ORGANIZATION DEDICATED
TO THE ADVANCEMENT OF COMMUNICATIONS ABOVE 1000 MC.

W6IFE Newsletter

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The **5 April 2001** meeting of the SBMS will have Mel, WA6JBD talk about a radio path he worked on. The County of Riverside owns the path in question. It runs from Box Springs to Mt. David in Beaumont. Between the local geography, and the weather, it has very difficult and interesting propagation. It's only slightly more than 16 miles in length, but has characteristics similar to a long, over water path. Mel will just be describing how it evolved from a simple analog path, to digital, the problems he encountered, and the solutions it took to make it play. Mel will describe space and angle diversity, and the custom built radios they use to make it work. The SBMS meets at the American Legion Hall 1024 Main Street (south of the 91 freeway) in Corona, CA at 1900 hours local time on the first Thursday of each month. Check out the SBMS web site at <http://www.ham-radio.com/sbms/>.

Last meeting- Kerry, N6IZW talked about Noise Figure and construction of a source from Qualcomm parts. Pictures and other information appeared in previous editions of the W6IFE Newsletter and are on the San Diego Microwave Group web site. The SBMS site listed above has a links to the San Diego site. Kerry had some

equipment to measure the output of sources that people carried in to the meeting. Thanks Kerry for the great presentation and for doing the testing. Welcome to visitor Ken Kolbly, KG6BIR of Barstow. 28 people in attendance.

April is election month. On the slate so far are President, Doug, K6JEY and Dick, WB6DNX; Recording Sec; Mel Swanberg, WA6JBD; Corresponding Sec; Kurt Geitner, K6RRA; Treasurer; Dick Kolbly, K6HIJ; and Editor; Bill Burns, WA6QYR. The office of Vice president is open for nominations.

For those playing in the ARRL contests, you should note the new rules for logs include the use of the Cabrillo format. Included in this newsletter are two articles about it from The VHF Journal. A program that does the logging and can make the Cabrillo files is either KM Rover or Gen Log. Both are freeware on Dave Mascaro's web site [Http://www.qsl.net/w3km](http://www.qsl.net/w3km). Both have a grid direction and distance calculator. (Enter your 6 digit grid square then the distant station and hit enter or space and the heading/ distance is calculated.) Rover logs the ARRL jan, june, sept VHF and august UHF. Gen log does the HF, QSO party and 10 ghz . Dave says Rover could probably used for 10 GHz but it doesn't figure out the score like Gen Log does. There are probably many ways to get the logs generated and this is one. Take your lap top along and do it on the fly. Good luck. Bill



On the left is our Pres Doug, K6JEY at the March SBMS meeting with his 24 GHz rig. Another newer toy for the hilltop now that Doug has discovered roving and how much fun it can be.



Kerry, N6IZW (right) helps Ken WB6DTA measure the noise output of his source built from Qualcomm surplus parts at the March meeting of the SBMS. San Bernardino Microwave Society is a technical amateur radio club affiliated with the ARRL having a membership of over 90 amateurs from Hawaii and Alaska to the east coast. Dues are \$15 per year which includes a badge and monthly newsletter. Your mail label indicates your call followed by when your dues are due. Dues can be sent to the treasurer as listed under the banner on the front page. If you have material you would like in the newsletter please send it to Bill WA6QYR at 247 Rebel Road Ridgecrest, CA 93555, bburns@ridgecrest.ca.us, or phone 760-375-8566. The newsletter is generated about the 15th of the month and put into the mail at least the week prior to the meeting. This is your newsletter. SBMS Newsletter material can be copied as long as SBMS is identified as source.

April is also when the majority of members have their dues due. \$15 to treasurer Dick Kolbly at his Barstow address above.

San Bernardino Microwave Society newsletter

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USA